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## WHAT IS CLAIMED IS:

- A curable composition comprising a compound (A)
  having at least one active energy ray curable
  polymerizable functional group, a fluorine-containing
- copolymer (B) obtained by (1) copolymerizing a polymerizable monomer (a) having a polyfluoroalkyl group and a polymerizable monomer (b) having a photo-curable functional group, or (2) introducing a photo-curable functional group into a fluorine-containing copolymer (D)
- obtained by copolymerizing a polymerizable monomer (a)
  having a polyfluoroalkyl group and a polymerizable
  monomer (d) having a group capable of introducing a
  photo-curable functional group, and a photopolymerization
  initiator (C).
  - 2. The curable composition according to Claim 1, which contains from 0.01 to 20 parts by mass of the fluorine-containing copolymer (B) and from 0.01 to 20 parts by mass of the photopolymerization initiator (C), per 100 parts by mass of the compound (A).
- 3. The curable composition according to Claim 1, wherein the compound (A) is a compound having at least one (meth)acryloyl group as the active energy ray curable polymerizable functional group.
- 4. The curable composition according to Claim 1, wherein the polymerizable monomer (a) is a compound of the formula 1:

 $CH_2=CR(CH_2)_b-Z-R^f$  Formula 1

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wherein R is a hydrogen atom or a  $C_{1-4}$  alkyl group, b is an integer of from 0 to 6, Z is a single bond or a group selected from the group consisting of -CH<sub>2</sub>-, -O-, -COO-, -CONH-, -NHCO- and -OCO-, and  $R^f$  is a  $C_{2-40}$ 

- 5 polyfluoroalkyl group or a C<sub>2-40</sub> polyfluoroalkenyl group, provided that at least one hydrogen atom in such a group may be substituted by a hydroxyl group or a halogen atom, and an etheric oxygen atom or a thioetheric sulfur atom may be inserted between a carbon-carbon bond.
- 5. The curable composition according to Claim 1, wherein the polymerizable monomer (b) is a compound of the formula 2:

 $CH_2=CR^2\left(CH_2\right)_{\,\text{c}}-Z-\left(CH_2\right)_{\,\text{d}}-L \qquad \text{Formula 2}$  wherein  $R^2$  is a hydrogen atom or a  $C_{1-4}$  alkyl group, each of c and d which are independent of each other, is an integer of from 0 to 6, Z is a single bond or a group selected from the group consisting of -CH\_2-, -O-, -COO+, -CONH-, -NHCO- and -OCO-, and L is a photo-curable functional group having no thermal polymerizability.

20 6. The curable composition according to Claim 1, wherein the polymerizable monomer (d) is a compound of the formula 3:

 $CH_2=CR^2(CH_2)_c-Z-(CH_2)_d-Y$  Formula 3 wherein  $R^2$  is a hydrogen atom or a  $C_{1-4}$  alkyl group, each of c and d which are independent of each other, is an integer of from 0 to 6, Z is a single bond or a group selected from the group consisting of  $-CH_2-$ ,  $-O_2$ ,  $-COO_2$ .

- -CONH-, -NHCO- and -OCO-, and Y is a group having a group capable of introducing a photo-curable functional group.
- 7. A cured coating film formed by the curable composition as defined in Claim 1.
- 8. A coated substrate comprising a substrate and the cured coating film as defined in Claim 7 formed on at least one side of the substrate.
  - 9. The coated substrate according to Claim 8, wherein the substrate is a photomask.

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